WHAT IS CLAIMED IS:

1. A rotating shaft with radial press device, comprising:

a cylindrical rod, extending from the rotating shaft, providing at least a milled face;

at least a friction part, being a ring piece composed of a circular section and an arched section, providing a gap between the circular section and the arched section, an axial hole being surrounded by both the circular section and the arched section for accommodating the cylindrical rod, and the arched section having a gradually reduced inner radius;

whereby, as soon as the cylindrical rod is tightly pressed by the arched section, a position of standstill can be formed; and when the milled face touches a free end of the arched section, the cylindrical rod can moves in a direction so that the milled face keeps contact with the free end of the arched section in a state of automatically locking.

2. The rotating shaft with radial press device according to claim 1, wherein the friction part is flat and multiple friction parts can connect with each other in series to form a shape of cylinder.

3. The rotating shaft with radial press device according to claim 1, wherein the friction part is a hollow cylinder.

4. The rotating shaft with radial press device according to claim 1, wherein the circular section of the friction part extends laterally a fitting part to insert a seat groove in a bearing seat at a lateral side thereof and a plurality of the friction parts can be fixedly attached to the bearing seat in a way of series connection so that the respective circular section and the respective arched section are covered in the bearing seat.

5. The rotating shaft with radial press device according to claim 4, wherein the fitting part is reversed T shape.

6. The rotating shaft with radial device according to claim 1, wherein the circular section of the friction part may have an inner diameter smaller than a diameter of the cylindrical rod.